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JUNE 15, 2004

PTAS

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DORSEY & WHITNEY LLP
W. ROBINSON H. CLARK, ESQ.
1001 PENNSYLVANIA AVENUE, NW
STE. 400 SOUTH
WASHINGTON, DC 20004

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/28/2003

REEL/FRAME: 014728/0289
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 33386(US)

ASSIGNOR:
YOUNG, WILLIAM T.

DOC DATE: 10/21/2003

ASSIGNOR:
ZHU, ZHANGWU

DOC DATE: 10/22/2003

ASSIGNEE:
IBA S&I, INC.
2015 SPRING ROAD, SUITE 650
OAK BROOK, ILLINOIS 60523

SERIAL NUMBER: 10694180

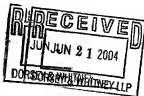
FILING DATE: 10/28/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD FOR STERILIZATION USING ETHYLENE OXIDE

Docket No.	33386(US)
Class	Op 6/22/04
Due Date	
Tasks	



014728/0289 PAGE 2

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

06/14/2004

Docket No.: 33386(US)

Form PTO-100 (Modified)
 (Rev. 03-01)
 CUS No. 0651-0037 (suppl. 03/02/03)
 PC9502/03

REGISTRATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

PATENTS ONLY

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To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1) William T. Young
 2) Zhangwu Zhu

2. Name and address of receiving party(ies):

Name: IBA S&I, Inc.Internal Address: 2015 Spring Road, Suite 650Oak Brook, Illinois 60523

Street Address: _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

Additional name(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: 1) October 21, 2003 - 2) October 22, 2003

4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

10/694,180

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: W. Robinson H. Clark, Esq.Internal Address: DORSEY & WHITNEY LLP1001 Pennsylvania Avenue, NW, Suite 400 SouthWashington, DC 20004

Street Address: _____

City: _____ State: _____ ZIP: _____

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00 prev. paid☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

8. Deposit account number:

04-1425

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

W. Robinson H. Clark, Reg. No. 41,530

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

All documents to be recorded with required cover sheet information to:

Mail Stop Assignment Registration Services

Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, William T. YOUNG, residing at 1317 Sanborn Drive, Palatine, Illinois 60074, and Dr. Zhangwu Zhu, residing at 6817 Didrikson Lane, Woodridge, Illinois 60517 has invented certain new and useful improvements in and to the subject matter of:

METHOD FOR STERILIZATION USING ETHYLENE OXIDE

being executed simultaneously herewith;

AND, WHEREAS, IBA S&I, INC., a corporation organized under the laws of the State of Delaware, having a place of business located at 2015 Spring Road, Suite 650, Oak Brook, Illinois 60523 (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND I hereby agree for myself and my heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND I hereby covenant for myself and my legal representatives, and agree with said ASSIGNEE, its successors and assigns, that I have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND I do hereby authorize and request the United States Commissioner for Patents to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

IN WITNESS WHEREOF, I have hereunto set my hands and seals.

10-21-03
Date

William T. Young
William T. Young

10-22-03
Date

Zhangwu Zhu
Dr. Zhangwu Zhu

County of DU PAGE)
State of ILLINOIS) ss:

On this 22 day of OCTOBER, 2003, before me a Notary Public in and for the County and State aforesaid, personally appeared _____ to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL)



Diana Mary Termine
Notary Public

My Commission Expires 06/06/04

DORSEY & WHITNEY LLP
INTELLECTUAL PROPERTY DEPARTMENT
1001 PENNSYLVANIA AVE., N.W.
SUITE 400
WASHINGTON, D.C. 20004-2533
(202) 442-3900 (TELEPHONE)
(202) 442-3199 (FACSIMILE)

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "IBA S&I, INC.", CHANGING ITS NAME FROM "IBA S&I, INC." TO "STERIGENICS EO, INC.", FILED IN THIS OFFICE ON THE SEVENTH DAY OF JULY, A.D. 2004, AT 12:45 O'CLOCK P.M.



2045599 8100

050502269

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State
AUTHENTICATION: 3954421

DATE: 06-16-05

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
IBA S&I, INC.

IBA S&I, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Corporation, by unanimous written consent, adopted a resolution proposing and declaring advisable an amendment to, and restatement of First Article of the Corporation's Certificate of Incorporation, to read in its entirety as set forth below:

"FIRST. The name of the corporation is Sterigenics EO, Inc."

SECOND: That in lieu of a meeting and vote of the sole shareholder, the sole shareholder of the Corporation gave unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That such amendment has been duly adopted in accordance with the provisions of Section 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by David E. Meyer, its President, and attested by Corey H. Grauer, its Secretary, this 7th day of July 2003.

IBA S&I, INC.

By: 

Name: David E. Meyer

Title: President

ATTEST:


Name: Corey H. Grauer

Title: Secretary

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER OF "STERIGENICS EO, INC.", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF NOVEMBER, A.D. 2005, AT 2:49 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF DECEMBER, A.D. 2005, AT 12:03 O'CLOCK A.M.



2045599 8100

060023485

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 4436546

DATE: 01-10-06

**CERTIFICATE OF MERGER
MERGING**

**STERIGENICS EO, INC.
(a Delaware corporation),
INTO
STERIGENICS S&I HOLDING CORP.
(a Delaware corporation)**

State of Delaware
Secretary of State
Division of Corporations
Delivered 02:48 PM 11/30/2005
FILED 02:49 PM 11/30/2005
SRV 050970598 - 2142352 FILE

**Pursuant to Section 251 of the
General Corporation Law of the State of Delaware**

Sterigenics S&I Holding Corp., a Delaware corporation (the "*Company*"), does hereby certify to the following facts relating to the merger (the "*Merger*") of Sterigenics EO, Inc., a Delaware corporation (the "*Subsidiary*") with and into the Company, with the Company continuing as the surviving corporation of the Merger (the "*Surviving Corporation*");

- FIRST:** The Subsidiary and the Company are incorporated in Delaware pursuant to the General Corporation Law of the State of Delaware ("*DGCL*"). The Company and the Subsidiary are the constituent corporations in the Merger.
- SECOND:** An Agreement and Plan of Merger dated as of November 15, 2005 by and between the Company and the Subsidiary has been approved, adopted, certified, executed and acknowledged by the Company and the Subsidiary in accordance with the provisions of Section 251 of the DGCL.
- THIRD:** The Surviving Corporation of the Merger shall be the Company whose name shall remain Sterigenics S&I Holding Corp.
- FOURTH:** Upon the effectiveness of the Merger, the certificate of incorporation of the Surviving Corporation shall remain its certificate of incorporation.
- FIFTH:** The executed Agreement and Plan of Merger is on file at the office of the Surviving Corporation at c/o Sterigenics S&I Holding Corp., 2015 Spring Road, Suite 650, Oak Brook, IL 60523.
- SIXTH:** A copy of the executed Agreement and Plan of Merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any constituent corporation of the Merger.
- SEVENTH:** The Merger shall become effective at 12:03 a.m. Eastern Standard Time on December 1, 2005.

IN WITNESS WHEREOF, Sterigenics S&I Holding Corp., a Delaware corporation, has caused this Certificate of Merger to be executed by its duly authorized officer as of November 15, 2005.

STERIGENICS S&I HOLDING CORP.

By: /s/ David E. Meyer
David E. Meyer,
President

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER OF "STERIGENICS U.S., LLC", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF NOVEMBER, A.D. 2005, AT 2:50 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF DECEMBER, A.D. 2005.



2754117 8100

060019498

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 4433331

DATE: 01-09-06

**CERTIFICATE OF MERGER
OF
STERIGENICS S&I HOLDING CORP.
(disappearing corporation)
WITH AND INTO
STERIGENICS U.S., LLC
(surviving limited liability company)**

Pursuant to Section 18-209(c) of the Delaware Limited Liability Company Act

Sterigenics U.S., LLC hereby certifies that:

1. The constituent business entities participating in the merger herein certified are:
 - (i) Sterigenics S&I Holding Corp., a Delaware corporation; and
 - (ii) Sterigenics U.S., LLC, a Delaware limited liability company
2. An Agreement and Plan of Merger dated November 15, 2005 by and between Sterigenics S&I Holding Corp., a Delaware corporation and Sterigenics U.S., LLC, a Delaware limited liability company, has been approved, adopted, certified, executed, and acknowledged by each of the aforesaid constituent entities in accordance with the provisions of subsection (b) of Section 18-209 of the Delaware Limited Liability Company Law and in accordance with the provisions of subsection (c) of Section 251 of the Delaware General Corporation Law, to wit, by Sterigenics S&I Holding Corp. and Sterigenics U.S., LLC
3. The name of the surviving limited liability company in the merger herein certified is Sterigenics U.S., LLC, a Delaware limited liability company, which will continue its existence as said surviving limited liability company under the name Sterigenics U.S., LLC.
4. The merger herein certified shall become effective at 12:04 a.m. Eastern Standard Time on December 1, 2005.
5. The Certificate of Formation of Sterigenics U.S., LLC, a Delaware limited liability company, shall continue to be the Certificate of Formation of said surviving limited liability company until amended and changed pursuant to the provisions of the Delaware Limited Liability Company Act.
6. The executed Agreement and Plan of Merger is on file at the principal place of business of the aforesaid surviving limited liability company, the address of which is as follows: c/o Sterigenics U.S., LLC, 2015 Spring Road, Suite 650, Oak Brook, IL 60523.
7. A copy of the aforesaid Agreement and Plan of Merger will be furnished by the aforesaid surviving limited liability company, on request, and without cost, to any stockholder of the extinguishing Delaware corporation or any member of the limited liability company.

IN WITNESS WHEREOF, Sterigenics U.S., LLC has caused this Certificate of Merger to be executed by its duly authorized officer as of November 15, 2005.

STERIGENICS U.S., LLC

By: /s/ David E. Meyer

Name: David E. Meyer

Title: Manager

[SIGNATURE PAGE TO THE STERIGENICS U.S., LLC CERTIFICATE OF MERGER
(S&I - U.S. FORWARD MERGER)]